

## Patent Abstracts of Japan

PUBLICATION NUMBER : 60025465  
PUBLICATION DATE : 08-02-85

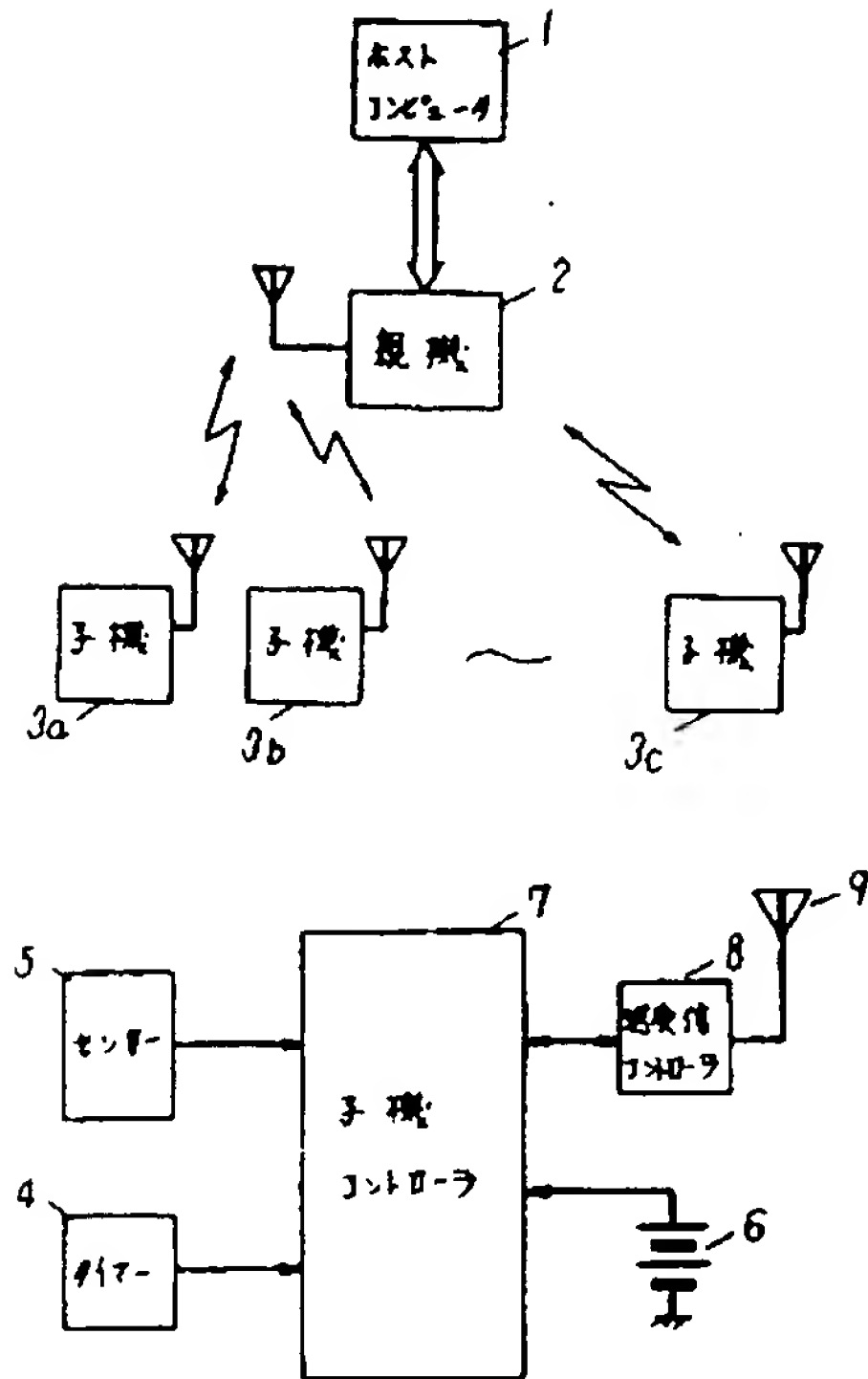
APPLICATION DATE : 22-07-83  
APPLICATION NUMBER : 58134596

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INT.CL. : G01R 31/36

TITLE : BATTERY VOLTAGE MONITORING  
DEVICE



ABSTRACT : PURPOSE: To monitor at a remote position for respective battery states of many devices which operate with batteries by detecting the variation in period of a contention call which fluctuates with the voltage fluctuation of batteries.

CONSTITUTION: Various kinds of information obtained by sensors 5 of respective slave equipments are reported periodically to a master equipment 2, and a host computer 1 controls them. At this time, a contention call is generated when the counter incorporated in a slave equipment controller 7 counts the specific number of pulses with a 1.0 second period generated by a timer 4. Therefore, when the oscillation period of the timer 4 varies with the voltage of a battery 4, the contention also varies in period. The master equipment 2, on the other hand, is equipped with a high-precision timer counter, and the time interval between the last contention call and current contention call of the slave station is measured to detect the variation in oscillation period of the timer 4 in the slave station, detecting the battery voltage of the slave equipment.

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